

Appendix 6

Michigan DOT Research Summit Parking Lot Notes

- How can improve ped and bike safety without adversely affecting vehicle safety. When and where should ped and bike safety be a higher priority than vehicle mobility? Look at innovative signalization techniques that are becoming more common in south and southwest. Unique displays for stopping the vehicles and assigning right of ways (hawk, pelican, tucan signals). College campuses.
- Secondary crashes. Do other states have a better way to manage traffic around crashes and prevent gawkers from causing more crashes? Clearance is key.
- Problem: Workforce development (a large percent will retire in 5-10 years). Contractors are looking at same issues – how to bring on new employees and train them; how is work sustained?
- Problem: What are best practices for problem statement development? How to do this right and how to improve this process. How to best use time and intellectual effort up front to make MDOT successful. Both macroscopically and microscopically.
- In Sweden they have device that goes on median barrier acting as a curtain to prevent other side from gawking.
- Geosynthetic materials; geofoam - slope stabilization
- Alternative surface materials on pavements to reduce salt use.
 - Surface chemistry
 - Alternative
 - Phase change material – PCM
- Shape and materials optimization for replacing side-by-side box beams
- Erosion and scouring problems
 - Retrofit methods, monitoring
- Component joint configurations and materials
- One or two coat paint systems for steel
- LCCA and cost benefit analysis
- Secondary crashes – gawker reduction
- Park – n – Ride: Next time have an expert resource available to answer questions
- Some topics were not true research projects in the opinion of the group